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| <b>FORM 1449*</b><br><b>INFORMATION DISCLOSURE STATEMENT</b><br><b>IN AN APPLICATION</b><br><small>(Use several sheets if necessary)</small> |  | Docket Number:<br>15053.0026USWO | Application Number:<br>10/563,404 |
|  |  | Applicant: GUILLAN et al.        |                                   |
|  |  | Filing Date: 10 October 2006     | Group Art Unit: 1625              |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) |  |  |  |
|--|--|--|--|
|  |  | Bourgeois et al. "Synthesis of BC Ring-Systems of Taxol by Ring-Closing Metathesis." <i>Synthesis</i> . No. 6. 2000. pp. 869-882.  |  |
|  |  | Codesido et al. "Access to [6.4.0]Carbocyclic Systems by Tandem Metathesis of Dienynes. A Step toward the Synthesis of a PreD-D Transition State Analogue." <i>Org. Lett.</i> Vol. 3. No. 10. 2001. pp. 1483-1486.   |  |
|  |  | Danishefsky et al. "Total Synthesis of Baccatin III and Taxol." <i>J. Am. Chem. Soc.</i> Vol. 118. No. 12. 1996. pp. 2843-2859.  |  |
|  |  | Deng et al. "A practical, highly enantioselective synthesis of the taxol side chain via asymmetric catalysis." <i>J. Org. Chem.</i> Vol. 57. No. 15. 1992. pp. 4320-4323.  |  |
|  |  | Denis et al. "An efficient, enantioselective synthesis of the taxol side chain." <i>J. Org. Chem.</i> Vol. 51. No. 1. 1986. pp. 46-50.   |  |
|  |  | Denis et al. "An improved synthesis of the taxol side chain of RP 56976." <i>J. Org. Chem.</i> Vol. 55. No. 6. 1990. pp. 1957-1959.  |  |
|  |  | Denis et al. "Direct, highly, efficient synthesis from (S)-(+)-phenylglycine of the taxol and ataxotere side chains." <i>J. Org. Chem.</i> Vol. 56. No. 24. 1991. pp. 6939-6942.   |  |
|  |  | Furstner et al. "Coordinatively unsaturated ruthenium allenylidene complexes: highly effective, well defined catalysts for the ring-closure metathesis of $\alpha$ -w-dienes and dienynes." <i>Chem. Commun.</i> 1999. pp. 601-602.  |  |
|  |  | Georg et al. "Taxane Anticancer Agents: Basic Science and Current Status." <i>ACS Symposium Series</i> 583. 1995. pp. ix-1.  |  |
|  |  | Hamel et al. "The Coral-Dreived Natural Products Eleutherobin and Sarcodictyins A and B: Effects on the Assembly of Purified Tubulin with and without Microtubule-Associated Proteins and Binding at the Polymer Taxoid Site." <i>Biochemistry</i> . Vol. 38. No. 17. 1999. pp. 5490-5498. |  |
|  |  | Hofle et al. "Epothilone A and B-Novel 16-Membered Macrolides with Cytotoxic Activity: Isolation, Crystal Structure, and Conformation in Solution." <i>Angew. Chem. Int. Ed. Engl.</i> Vol. 35. No. 13/14. 1996. pp. 1567-1569.  |  |
|  |  | Holton et al. "First total synthesis of taxol. 1. Functionalization of the B ring." <i>J. Am. Chem. Soc.</i> Vol. 116. No. 4. 1994. pp. 1597-1600.   |  |
|  |  | Jordan. "Mechanism of Action of Antitumor Drugs that Interact with Microtubules and Tubulin." <i>Curr. Med. Chem. – Anti-Cancer Agents.</i> Vol. 2. 2002. pp. 1-17.  |  |
|  |  | Kanazawa et al. "A short synthesis of the taxotere side chain through dilithiation of Boc-benzylamine." <i>J. Org. Chem.</i> Vol. 58. No. 1. 1993. pp. 255-257.  |  |
|  |  | Davis et al. "Assymmetric synthesis of sulfinimines: applications to the synthesis of nonracemic beta-amino acids and alpha-hydroxyl beta-amino acids." <i>J. of Organic Chemistry.</i> vol. 57. No. 24. 1992. pp. 6387-6389.  |  |
|  |  | Kim et al. "Catalytic Ring Closing Metathesis of Dienynes: Construction of Fused Bicyclic Rings." <i>J. Am. Chem. Soc.</i> Vol. 116. No. 23. 1994. pp. 10801-10802.  |  |

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|   |  | Kingston et al. "The Chemistry of Taxol and Related Taxoids." <i>Springer-Verlag Wein</i> . New York. 2002. pp.53-225.  |  |
|   |  | Kingston. "Taxol, a molecule for all seasons." <i>Chem. Commun.</i> 2001. pp. 867-880.  |  |
|   |  | Long et al. "Eleutherobin, a Novel Cytotoxic Agent That Induces Tubulin Polymerizations, Is Similar to Paclitaxel (Taxol®) <sup>1</sup> " <i>Cancer Research</i> . Vol. 58. 1998. pp. 1111-1115.  |  |
|   |  | Mekhail et al. "Paclitaxel in cancer therapy." <i>Ashley Publications</i> . London. 2002. pp. 755-766.  |  |
|   |  | Miller et al. "Chemistry and Chemical Biology of Taxane Anticancer Agents." <i>The Chem. Record</i> . Vol. 1. 2001. pp. 195-211.  |  |
|   |  | Nicolaou et al. "Total synthesis of taxol." <i>Nature</i> . Vol. 367. 1994. pp. 630-634.  |  |
|   |  | Nicolaou et al. "Total syntheses of complex nature products." <i>Agnew. Chem. Int. Ed. Engl.</i> Vol. 34. No. 9. 1995. pp. 2069-2074.   |  |
|   |  | Nicoletti et al. "IDN5109, a Taxane with Oral Bioavailability and Potent Antitumor Activity." <i>Cancer Research</i> . Vol. 60. 2000. pp. 842-846.  |  |
|   |  | Ojima et al. "Efficient and practical asymmetric synthesis of the taxol C-13 side chain, N-benzoyl-(2R,3S)-3-phenylisoserine, and its analogs via chiral 3-hydroxy-4-aryl-beta-lactams through chiral ester enolate-imine cyclocondensation." <i>J. Org. Chem.</i> Vol. 56. No. 5. 1991. pp. 1681-1683. |  |
|   |  | Rowinsky et al. "Taxol: A Novel Investigational Antimicrotubule Agent." <i>J. of National. Cancer Int.</i> Vol. 82. No. 15. 1990. pp. 1247-1259.  |  |
|   |  | Scholl et al. "Synthesis and Activity of New Generation of Ruthenium-Based Olefin Metathesis Catalysts Coordinated with 1,3-Dimesityl-4-5-dihydroimidazol-2-ylidene Ligands." <i>Org. Letters</i> . Vol. 1. No. 6. 1999. pp. 953-956.   |  |
|   |  | Suffness. "Taxol Science and Applications." <i>CRC Press</i> . New York. 1995.  |  |
|   |  | Wang et al. "Synthesis of B-Ring Homologated Estradiol Analogues that Modulated Tubulin Polymerization and Microtubule Stability." <i>J. Med. Chem.</i> Vol. 43. No. 12. 2000. pp. 2419-2429.   |  |
|   |  | Winkler et al. "Stereoselective Synthesis of the Taxane Ring System via the Tandem Diels – Alder Cycloaddition." <i>J. Org. Chem.</i> Vol. 62. No. 9. 1997. pp. 2957-2962.  |  |
|   |  | Wu et al. "Identification of a novel steroid derivative, NSC12983, as a paclitaxel-like tubulin assembly promoter by 3-D virtual screening." <i>Anti-Cancer Drug Design</i> . Vol. 16. 2001. pp. 129-133.   |  |
|   |  | Zuercher et al. "Ruthenium-Catalyzed Polycyclization Reactions." <i>J. Org. Chem.</i> Vol. 63. No. 13. 1998. pp. 4291-4298.   |  |

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